

## CLAIMS

1. An inspect lure and trap system, comprising:

a valve that receives a gaseous fuel, and provides a regulated flow of gaseous fuel;

means responsive to said regulated flow of gaseous fuel, for generating carbon dioxide to attract insects to a predetermined region;

means for generating airflow that forces insects within the predetermined region into a container;

a temperature sensor that senses the temperature of the carbon dioxide and provides a carbon dioxide temperature signal indicative thereof; and

means responsive to said carbon dioxide temperature signal, for generating a valve command signal that regulates said valve.

2. The inspect lure and trap system of claim 1, wherein said means for generating a valve command signal comprises

means for comparing said carbon dioxide temperature signal value against a temperature reference signal value, and if said carbon dioxide temperature signal value is below said temperature reference signal, for providing said valve command signal to open said valve, and if and carbon dioxide temperature signal value is above said temperature reference signal, for providing said valve command signal to close said valve.